

LOW LOSS RF & MICROWAVE CABLE & ASSEMBLIES up to 40.0 GHz

Low Loss Microwave Cable & Assemblies

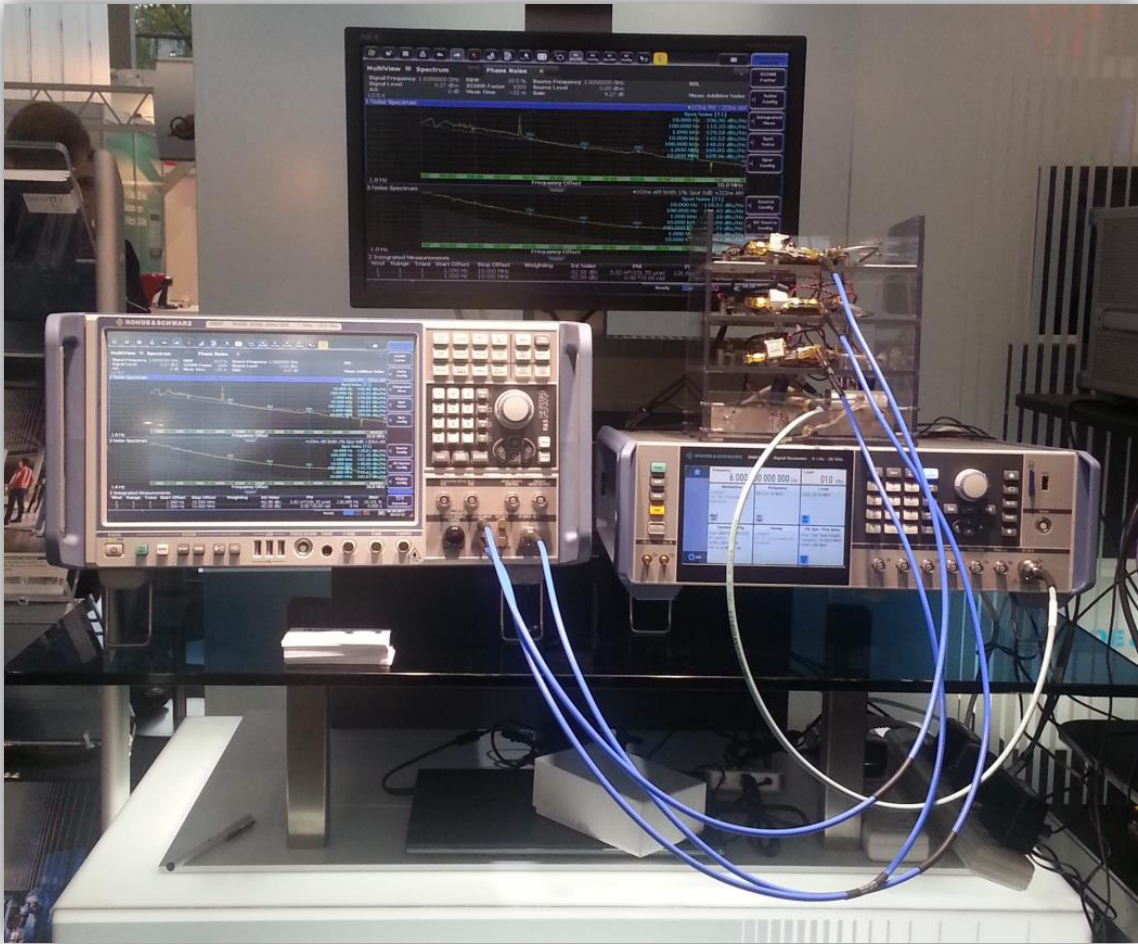
with Excellent Electrical Performance
for Test & Measurement Applications,
Military & Commercial Microwave Systems
4G & 5G Solutions, Medical, Industry.....



DESIGN - DEVELOPMENT - MANUFACTURE

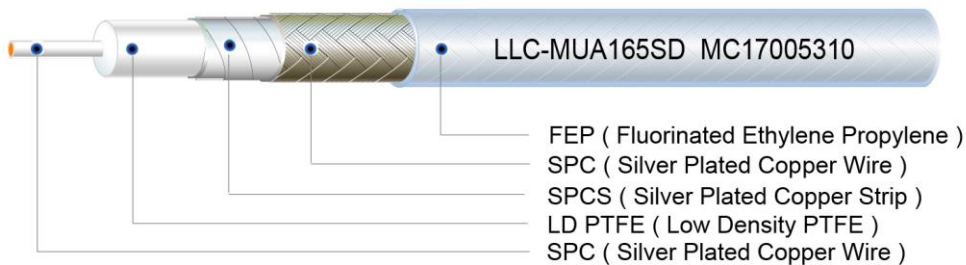
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Low Loss Microwave Cable (~ 18.0 GHz) (~ 26.5 GHz) (~ 31.0 GHz) Low Loss Milimeter -Wave Cable (~ 40.0 GHz)	MUA210ST (~ 18.0 Ghz, 26.5 GHz) (~ 31.0 GHz)	Low Density PTFE Dielectric Low Loss Microwave Coaxial Cable Replacement Cable for " Micro-Coax (UFA210B, UFB197C), Sem-Flex (HP190), IW (IW180x), Harbour Industries (LL142)
	MUA210SD (~ 18.0 Ghz, 26.5 GHz) (~ 31.0 GHz)	Low Density PTFE Dielectric Low Loss Microwave Coaxial Cable Replacement Cable for " Micro-Coax (UFA210A, UFB205A), Sem-Flex (HP190), IW (IW180x), Harbour Industries (LL142)
	MUA165SD (40.0 GHz)	Low Density PTFE Dielectric Low Loss Milimeter-Wave Coaxial Cable
	MUA331SD, MUA331ST (18.0 GHz)	Low Density PTFE Dielectric Ultra Low Loss Microwave Coaxial Cable Replacement Cable for " Micro-Coax (UFB311A, UFB293C , LL335, HP305)
Spiral Strip Shield Microwave Cable (~ 18.0 GHz) (~ 26.5 GHz) Spiral Strip Shield Milimeter -Wave Cable (~ 40.0 GHz)	RG-402SS (~ 18.0 Ghz, 26.5 GHz)	Phase-Stable Microwave Coaxial Cable Replacement Cable for SS402, Semflex SM 402, Tflex-402, Multibend 402 , Multiflex_141 Cable
	RG-405SS (~ 18.0 GHz, 26.5 GHz)	Phase-Stable Microwave Coaxial Cable Replacement Cable for SS405, Semflex SM 405, Tflex-405, Multibend 405, Multiflex_86 Cable
	RG-401SS (~ 18.0 GHz)	Phase-Stable Microwave Coaxial Cable Replacement Cable for SS401,Tflex-401, Multibend 401 Cable
	RG-405SS mmW (~ 40.0 GHz)	Phase-Stable Microwave Coaxial Cable Spiral Strip Shield Milimeter -Wave Cable for up to ~ 40.0 GHz
RG Flexible Cable	MIL-C-17 Standard	RG-142, RG-142 PVC Jacket, RG-400, RG-393 PTFE, RG-393 FEP, RG-393 PFA, RG-316 Single, RG-316 Double, RG-174, RG-178, RG-179, RG-179 Double, RG-179 Triaxial Cable, RG-180, RG-302 , RG-302 HF, RG-303, RG-304, RG-316 White (RG-188) ……
Semi-Flexible Cable (Hand-Formable Cable)	SF-047	SF-047 NJ, SF-047 FEP Jacket ……
	SF-085	SF-085 NJ, SF-085 FEP Jacket, SF-085 PVC Jacket , SF-085 HF Jacket SF-085 75Ω NJ , SF-085 75Ω FEP Jacket ……
	SF-141	SF-141 NJ, SF-141 FEP Jacket , SF-141 PVC Jacket , SF-141 SPC NJ ,SF-141 SPC FEP Jacket, SF-141 SPC PVC Jacket SF-141 75Ω NJ, SF-141 35Ω NJ, SF-141 12.5Ω NJ ……
	SF-171	SF-171 SPC NJ , SF-171 SPC FEP Jacket, SF-171 SPC PVC Jacket ……
	SF-250	SF-250 SPC NJ , SF-250 SPC FEP Jacket ……
High Performance (VSWR) Semi-Flexible Cable (Hand-Formable Cable)	High Performance (VSWR)	SF-141 HTA, SF-113 HTA ……
High Performance (Low Loss) Semi-Flexible Cable (Hand-Formable Cable)	High Performance (Low Loss)	SF-141 LLC, SF-085 LLC ……
Semi-Rigid Cable	SR-034	Silver Plated Copper Clad Steel Wire (SPCW, SCCS), Tin Plated Copper Tube
	SR-047	Silver Plated Copper Clad Steel Wire (SPCW, SCCS) Tin Plated Copper Tube, Bare Copper Tube
	SR-085	Silver Plated Copper Clad Steel Wire (SPCW, SCCS) Silver Plated Copper Wire (SPC) Tin Plated Copper Tube, Tin Plated Aluminum Tube, Bare Copper Tube
	SR-141	Silver Plated Copper Clad Steel Wire (SPCW, SCCS) Silver Plated Copper Wire (SPC) Tin Plated Copper Tube, Tin Plated Aluminum Tube, Bare Copper Tube
	SR-250	Silver Plated Copper Wire (SPC) Tin Plated Copper Tube, Tin Plated Aluminum Tube, Bare Copper Tube



MUA165SD

Low Loss Microwave Coaxial Cable



Construction

Item	Material	Diameter	Remark
Center Conductor	SPC	0.94 mm (0.037 inch)	Silver Plated Copper Solid Wire
Dielectric	LD PTFE		Microporous PTFE
Inner Shield	SPCS		Silver Plated Copper Strip Taping
Outer Shield	SPC		Round Silver Plated Copper Wire Braiding
Jacket	FEP	4.20 mm (0.165 inch)	Sky Blue

Electrical & Mechanical Data

Impedance	50Ω
Frequency Range	DC-40.0 GHz
Velocity of Propagation	80 %
Capacitance	26.2pf/ft (86.0pf/m)
Operating Temperature	- 55℃ ~ 165℃
Shield Effectiveness	> -100 dB
Flexures	5,000
Min. Bending Radius	10mm (Single)

Attenuation

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
18.0	1.7	0.52
26.5	2.3	0.70
40.0	3.0	0.91

2.92mm-2.92mm Assembly for up to **40.0 GHz** By MUA165SD **1 Meter** Length

